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GENERAL STATISTICAL TABLES.

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APPENDIX.

GENERAL STATISTICAL TABLES SHOWING THE AGGREGATED RESULTS
OF THE THIRD CENSUS OF PRODUCTION (1924).

The Third Census of Production, which related to Great Britain and Northern Ireland, covered manufacturing and other work done in factories and workshops, mining and quarrying, building and contracting and the productive work of public utility undertakings, Local Government Authorities and Central Government Departments.

The following is the list of trades into which industry was divided for the purposes of presenting the results of the Census, shown according to the groups into which they were assembled, and according to the volumes in which the individual reports appeared :—

VOLUME I.

The Textile Trades.

The Cotton Trades.
The Woollen and Worsted Trades.
The Silk and Artificial Silk Trades.
The Jute, Hemp and Linen Trades.
The Hosiery Trades.
The Textile Finishing Trades.
The Lace Trades.
The Rope, Twine and Net Trades.
The Elastic Webbing Trade.
The Coconut Fibre, Ramie Fibre, Horsehair and Feather Trades.
The Flock and Rag Trades.
The Packing Trade.

VOLUME II.

The Food, Drink and Tobacco Trades.

The Grain Milling Trade.
The Bread and Biscuit Trades.
The Cocoa and Sugar Confectionery Trades.
The Bacon Curing and Sausage Trades.
The Preserved Meat, Fish, Fruit and Vegetables, Pickles and Sauces Trades.
The Butter, Cheese, Condensed Milk and Margarine Trades.
The Fish Curing Trade.
The Cattle, Dog and Poultry Foods Trades.
The Ice Trade.
The Sugar and Glucose Trades.
The Brewing and Malting Trades.
The Spirit Rectifying, Compounding and Methylating Trades.
The Wholesale Bottling Trade.
The Aerated Waters, Cider, Vinegar, British Wine and Cognate Trades.
The Spirit Distilling Trade.
The Tobacco Trade.

The Clothing Trades.

The Clothing Trades (i.e. Tailoring, Dressmaking, Millinery, etc.).
The Boot and Shoe Trade.
The Hat, Bonnet and Cap Making Trades.
The Glove Trade.
The Umbrella and Walking Stick Trades.
The Fur Trade.
The Artificial Flower and Ornamental Feather Trades.
The Laundry, Cleaning and Dyeing Trades.

VOLUME III.

The Iron and Steel Trades.

The Iron and Steel Trades (i.e. Blast Furnaces, Smelting Works and Rolling Mills).
The Tinsplate Trade.
The Light Castings Trade.
The Wrought Iron and Steel Tube Trade.
The Wire Drawing Trade.
The Anchor, Chain, Nail, Screw and Rivet Trades.
The Hardware, Hollow-ware and Bedstead Trades.
The Cutlery Trade.
The Tool and Implements Trades.
The Blacksmithing Trade.
The Needle, Pin, Fish-hook and Button Trades.
The Small Arms Trade.

The Engineering Trades.

The Engineering Trades.
The Shipbuilding Trade (Private firms).
The Motor, Cycle and Aircraft Trades.
The Railway Carriage and Wagon Building Trade.

The Non-Ferrous Metals Trades.

The Non-Ferrous Metals (Smelting, Rolling and Casting) Trades.
The Finished Brass Trade.
The Jewellery, Gold, Silver and Electro-Plate Trade.
The Watch and Clock Trade.

VOLUME IV.

The Chemical and Allied Trades.

The Chemicals, Dyestuffs and Drugs Trades.
The Coke and By-Products Trade.
The Seed Crushing Trade.
The Oil and Tallow Trades.
The Fertiliser, Glue, Sheep Dip and Disinfectant Trades.
The Soap, Candle and Perfumery Trades.
The Starch, Blue and Polishes Trades.
The Paints, Colours and Varnish Trades.
The Explosives and Fireworks Trades.
The Match Trade.
The Ink, Gum and Sealing Wax Trades.

The Leather, Rubber and Canvas Goods Trades.

The Fellmongery Trade.
 The Leather Trade.
 The Saddlery, Harness, Travelling Bags and Leather Goods Trades.
 The Rubber Trade.
 The Canvas Goods and Sack Trades.

The Paper, Printing and Allied Trades.

The Paper Trade.
 The Wallpaper Trade.
 The Printing and Bookbinding Trades.
 The Printing and Publishing of Newspapers and Periodicals.
 The Typefounding, Electrotyping, Stereotyping, Engraving, Process-block Making and Die Sinking Trades.
 The Manufactured Stationery Trades.
 The Cardboard Box Trade.

Miscellaneous Trades.

The Pens, Pencils and Artists' Materials Trade.
 The Linoleum and Oilcloth Trade.
 The Musical Instruments Trade.
 The Games and Toys Trade.
 The Billiard Table and Sports Requisites Trades.
 The Scientific Instruments, Appliances and Apparatus Trades.
 The Film Printing Trade.
 The Ivory, Horn, Picture Frame and Fancy Articles Trades.

VOLUME V.

Mines and Quarries.

Coal Mines.
 Manufactured Fuel.
 Metalliferous Mines and Quarries (including Oil Shale Mines).
 Salt Mines, Brine Pits and Salt Works.
 Slate Mines and Quarries.
 Non-Metalliferous (other than Slate) Quarries.

The Timber Trades.

The Timber Trade (i.e. Sawmilling, etc.).
 The Furniture, Cabinet-Making and Upholstery Trades.
 The Wooden Crates, Cases, Boxes and Trunks Trades.
 The Carriage, Cart and Wagon Trades.
 The Brush Trade.
 The Coopering Trade.
 The Basket and Wicker Work Trade.

Manufactures of Clay, Stone, etc., and the Building and Contracting Trades.

The Brick and Fireclay Trades.
 The China and Earthenware Trades.
 The Cement Trade.
 The Glass Trade, The Building Materials and Monumental Masonry Trades and the Roofing Felts Trade.
 The Engine and Boiler Packing and Asbestos Trades.
 The Manufactured Abrasives Trade.
 The Building and Contracting Trades.

Public Utility Services and Government Departments.

Gas Undertakings.
 Electricity Undertakings.
 Waterworks Undertakings.
 Railway Companies.
 Tramway and Light Railway Companies.
 Canal, Dock and Harbour Companies.
 Local Authorities.
 Government Departments.

The following tables show the grand aggregate figures for all trades as ascertained at the Third (1924) Census; in some of the tables aggregate figures for the First (1907) Census are reproduced as published in the Final Report on that Census (Cmd. 6320 of 1912). The latter figures are not precisely comparable with the former, since the Census of 1907 covered Great Britain and the whole of Ireland while that of 1924 related to Great Britain and Northern Ireland only. Further, wig-making, flax-scutching, velvet and fustian-cutting, and trade photography were included in the 1907 Census and excluded from that of 1924; while textile packing and cinematograph film printing were included in the 1924 Census but not included as specified productive activities in that of 1907.

In preparing the aggregates shown in Tables III and IV the monthly numbers of operatives returned for the Building and Contracting Trades and for certain of the Mining and Quarrying Trades* have been divided between males and females in the proportions returned in those trades for the week ended 18th October. The proportion of females was small in each of these cases. For the Coal Mining industry the numbers employed were returned to the Census for the month of October only and they have accordingly been omitted from Table III but have been included in the average numbers shown for the Mines and Quarries group in Table IV.

* Metalliferous Mines and Quarries, Slate Mines and Quarries and Non-metalliferous (other than Slate) Quarries.

TABLE I.—SUMMARY OF RESULTS

Trade group.	Gross output (selling value of goods made and value of work done).	Cost of materials used and amount paid to other firms for work given out.
	(1)	(2)
	£'000	£'000
1924.		
Textiles	757,308	538,072
Food, Drink and Tobacco	728,010	448,002
Clothing	229,465	123,991
Iron and Steel	319,806	209,656
Engineering	401,673	202,511
Non-ferrous Metals	95,589	69,238
Chemicals	226,847	149,281
Leather, Rubber, etc.	76,913	50,368
Paper, Printing, etc.	165,442	68,905
Mines and Quarries	275,940	48,304
Timber	79,637	41,720
Manufactures of Clay, etc., and Building and Contracting	271,163	126,103
Miscellaneous	42,863	20,793
Public Utility Services and Government Departments	292,226	122,448
Total—United Kingdom	3,962,882	2,219,392
England and Wales	3,504,267	1,963,615
Scotland	390,959	212,178
Northern Ireland	67,656	43,599
1907.		
Total—United Kingdom	1,765,366	1,053,231
England and Wales	1,490,749	887,755
Scotland	207,840	121,476
Ireland	66,777	44,000

FOR 1924 AND 1907.

Net output (excess of column (1) over column (2)).	Average number of persons employed (excluding outworkers).	Net output per person employed, as shown in column (4).	Mechanical power available.	
			Prime movers. (6)	Electric motors driven by purchased electricity. (7)
(3)	(4)	(5)	(6)	(7)
£'000	Number.	£	Th. H.P.	Th. H.P.
1924.				
219,236	1,256,175	175	2,346.7	398.9
280,008	516,181	542	369.1	311.5
105,474	680,541	155	95.7	92.1
110,150	557,758	197	1,993.3	758.9
199,162	993,103	201	499.7	1,273.0
26,351	123,221	214	123.2	145.7
77,566	207,121	375	418.5	202.0
26,545	114,522	232	94.1	102.7
96,537	359,922	268	298.3	184.7
227,636	1,288,592	177	3,336.1	526.6
37,917	203,951	186	155.6	131.2
145,060	741,593	196	414.5	210.5
22,070	95,641	231	57.5	37.8
169,778	753,208	225	6,606.4	264.4
1,743,490	7,891,529	221	16,808.7	4,640.0
1,540,652	6,885,953	224	14,649.6	3,842.4
178,781	846,751	211	1,928.6	756.1
24,057	158,825	151	230.5	41.5
1907.				
712,135	6,984,976	102	10,749.0	}
602,994	5,808,269	104	9,092.3	
86,364	885,403	98	1,397.3	
22,777	291,304	78	259.4	

* Not ascertained.

TABLE II.—NUMBERS OF PERSONS EMPLOYED IN THE WEEK

Trade group.	Operative	
	Males.	
	Under 18.	Total.
	Thousands.	
Textiles	66.1	462.5
Food, Drink and Tobacco	25.5	263.6
Clothing	26.5	179.3
Iron and Steel	52.4	430.8
Engineering	100.7	793.2
Non-ferrous Metals	10.6	80.1
Chemicals	8.1	130.8
Leather, Rubber, etc.	6.5	61.7
Paper, Printing, etc.	24.5	189.9
Mines and Quarries	74.6	1,256.8
Timber	26.3	147.6
Manufactures of Clay, etc.	58.1	653.7
Miscellaneous	9.8	56.4
Public Utility Services, etc.	19.7	684.4
Total	509.4	5,390.8

ENDED 18TH OCTOBER, 1924 (EXCLUDING OUTWORKERS).

staff.	Administrative, technical and clerical staff.					
	Females.		Males.		Females.	
	Under 18.	Total.	Under 18.	Total.	Under 18.	Total.
	Thousands.		Number.		Number.	
	144.8	745.5	3,734	49,521	2,108	13,842
	48.3	173.4	3,272	73,086	2,538	21,141
	98.7	427.7	1,985	51,359	3,883	29,770
	21.5	68.7	3,582	46,895	1,587	10,858
	20.6	72.0	9,696	103,157	5,690	33,734
	7.5	27.9	785	11,981	986	5,417
	10.0	37.1	1,772	28,881	1,213	10,295
	9.4	37.9	807	11,818	612	4,256
	34.0	118.1	3,798	41,267	2,608	16,346
	0.6	5.7	818	25,528	57	1,745
	7.5	28.0	1,057	27,115	739	4,405
	11.8	48.8	3,584	64,930	1,535	10,449
	9.8	30.9	503	7,981	582	3,836
	0.6	6.0	2,562	59,947	497	6,053
	425.1	1,827.7	37,955	603,466	24,635	172,147

TABLE III.

MONTHLY FLUCTUATIONS IN THE OPERATIVE STAFF EMPLOYED IN 1924 (EXCLUDING OPERATIVES AT COAL MINES* AND OUTWORKERS).

Week ended	Males.	Females.	Total.
12th January	4,036,615	1,722,155	5,758,770
16th February	4,094,273	1,741,288	5,835,561
15th March	4,124,728	1,756,157	5,880,885
12th April	4,159,437	1,772,808	5,932,245
17th May	4,194,489	1,796,829	5,991,318
21st June	4,201,621	1,798,791	6,000,412
19th July	4,091,850	1,796,640	5,888,490
16th August	4,073,215	1,772,597	5,845,812
13th September	4,193,245	1,799,270	5,992,515
18th October	4,218,560	1,823,322	6,041,882
15th November	4,220,117	1,829,534	6,049,651
13th December	4,233,034	1,825,370	6,058,404
Average for the 12 months	4,153,433	1,786,230	5,939,663

* 1,171,266 males and 4,987 females in week ended 18th October (see also page 447).

TABLE IV.

AVERAGE NUMBERS OF PERSONS EMPLOYED IN 1924 AND 1907 (EXCLUDING OUTWORKERS).

Trade group.	Operatives (Average for the year).		Administrative, technical and clerical staff (As at 18th October, 1924).		Total.
	Males.	Females.	Males.	Females.	
1924.					
Textiles	458,476	734,336	49,521	13,842	1,256,175
Food, Drink and Tobacco	258,356	163,598	73,086	21,141	516,181
Clothing	177,393	422,019	51,359	29,770	680,541
Iron and Steel	432,299	67,706	46,895	10,858	557,758
Engineering	786,257	69,955	103,157	33,734	993,103
Non-ferrous Metals	78,872	26,951	11,981	5,417	123,221
Chemicals	130,838	37,107	28,881	10,295	207,121
Leather, Rubber, etc.	61,122	37,326	11,818	4,256	114,522
Paper, Printing, etc.	187,037	115,272	41,267	16,346	359,922
Mines and Quarries	1,255,662*	5,657*	25,528	1,745	1,288,592
Timber	144,541	27,890	27,115	4,405	203,951
Manufactures of Clay, etc.	618,400*	47,814*	64,930	10,449	741,593
Miscellaneous	54,197	29,627	7,981	3,836	95,641
Public Utility Services, etc.	681,249	5,959	59,947	6,053	753,208
Total	5,324,699	1,791,217	603,466	172,147	7,891,529
Under 18	502,089	416,274	37,955	24,635	980,953
Over 18	4,822,610	1,374,943	565,511	147,512	6,910,576
1907.					
	Wage earners.		Salaried persons.		Total.
Total	4,830,847	1,662,282	421,856	69,991	6,984,976
Under 18	554,212	411,574	36,316	10,076	1,012,178
Over 18	4,276,635	1,250,708	385,540	59,915	5,972,798

* See page 447.

TABLE V.

AVERAGE NUMBERS OF OUTWORKERS EMPLOYED IN 1924 AND 1907.

Trade group.	Males.	Females.	Total.
Textile	836	10,655	11,491
Clothing	9,805	22,178	31,983
Iron and Steel	670	973	1,643
Non-ferrous Metals	1,019	275	1,294
Leather	41	144	185
Paper	36	1,079	1,115
Timber	247	384	631
All other	84	1,035	1,119
Total, 1924	12,738	36,723	49,461
Total, 1907	27,280	74,867	102,147

TABLE VI.

WAGES IN 1924.

No corresponding information was obtained in respect of Public Utility Services and Government Departments.

Trade group.	Firms furnishing returns of wages.					
	Operatives employed.		Net output.		Wages paid.	
	Number. (1)	Proportion of trade total. (2)	Amount. (3)	Proportion of trade total. (4)	Amount. (5)	Proportion of net output. (6)
		Per cent.	£'000	Per cent.	£'000	Per cent.
Textiles	858,226	71	158,121	72	80,387	50.8
Food, Drink and Tobacco	273,166	62	189,198	68	31,731	16.8
Clothing	357,869	59	58,706	56	32,241	54.9
Iron and Steel	281,144	56	62,684	57	38,218	61.0
Engineering	577,445	67	134,698	68	73,679	54.7
Non-Ferrous Metals	63,733	59	16,664	63	7,730	46.4
Chemicals	105,369	63	49,680	65	14,443	29.1
Leather, Rubber, etc.	66,531	67	18,922	71	7,598	40.2
Paper, Printing, etc.	192,285	62	61,587	64	26,854	43.6
Mines and Quarries	1,139,787	91	202,130	89	157,111	77.7
Timber	79,267	45	16,969	45	9,872	58.2
Manufactures of Clay, etc.	286,541	43	58,440	40	37,734	64.6
Miscellaneous	49,242	57	13,052	60	5,800	44.4
Total	4,330,605	61	1,040,851	66	523,398	50.3

TABLE VII.

POWER EQUIPMENT IN 1924 AND 1907.

Trade group.	Prime movers.	Electric generators.	Electric motors.		Total.
			Driven by electricity generated in own works.	Driven by purchased electricity.	
	Th. H.P.	Th. Kw.	Th. H.P.	Th. H.P.	Th. H.P.
1924.					
Textiles	2,346.7	285.4	289.2	398.9	688.1
Food, Drink and Tobacco	369.1	78.8	91.1	311.5	408.8*
Clothing	95.7	15.9	10.9	92.1	103.0
Iron and Steel	1,993.3	301.3	613.5	758.9	1,372.4
Engineering	499.7	235.1	364.5	1,273.0	1,637.5
Non-Ferrous Metals	123.2	53.8	39.8	145.7	185.5
Chemicals	418.5	163.1	142.1	202.0	344.1
Leather, Rubber, etc. . .	94.1	32.8	50.5	102.7	153.2
Paper, Printing, etc. . .	298.3	97.4	120.3	184.7	305.0
Mines and Quarries	3,336.1	677.4	1,087.6	526.6	1,614.2
Timber	155.6	15.1	17.9	131.2	149.1
Manufactures of Clay, etc.	414.5	79.2	106.8	210.5	317.3
Miscellaneous	57.5	19.3	27.3	37.8	65.1
Public Utility Services, etc. (other than Electricity Undertakings operating for public supply)	996.8	254.9	188.8	254.9	443.7
TOTAL (excluding Electric Supply Undertakings)	11,199.1	2,309.5	3,150.3	4,630.5	7,787.0*
Electricity Undertakings operating for Public supply	5,609.6	4,041.3	270.2	9.5	279.7
Total	16,808.7	6,350.8	3,420.5	4,640.0	8,066.7*
1907.					
Total { Excluding Electric Supply Undertakings	9,188.9	727.4	(not ascertained).		
Including Electric Supply Undertakings	10,749.0	1,747.7			

* Including electric motors of a capacity of 6,200 H.P. driven by purchased electricity and by electricity generated in own works, interchangeably.

TABLE VIII.

CLASSIFICATION OF POWER EQUIPMENT IN 1924 AND 1907.

Power equipment.	1924.		1907.	
	Excluding Electric Supply Undertakings.	Including Electric Supply Undertakings.	Excluding Electric Supply Undertakings.	Including Electric Supply Undertakings.
	Th. H.P.	Th. H.P.	Th. H.P.	Th. H.P.
PRIME MOVERS :—				
Reciprocating steam engines	7,946.0	8,458.6	8,013.7	9,127.5
Steam turbines	1,708.6	6,686.7	109.1	531.2
Gas and oil engines	1,095.3	1,119.0	665.7	680.2
Water power	123.9	139.1	168.5	178.2
Other	325.3	325.3	231.9	231.9
Total	11,199.1	16,808.7	9,188.9	10,749.0
ELECTRIC GENERATORS :—				
Driven by—	Th. Kw.	Th. Kw.	Th. Kw.	Th. Kw.
Reciprocating steam engines	893.7	1,242.2	575.9	1,285.2
Steam turbines	1,119.2	4,733.7	56.4	350.6
Gas and oil engines	252.4	320.9	95.1	111.9
Water power	44.1	53.9		
Other prime movers	0.1	0.1		
Total	2,309.5	6,350.8	727.4	1,747.7
ELECTRIC MOTORS :—				
Driven by—	Th. H.P.	Th. H.P.	Th. H.P.	Th. H.P.
Electricity generated in own works	3,150.3	3,420.5	(not ascertained)	
Purchased electricity	4,630.5	4,640.0		
Not separately distinguished	6.2	6.2		
Total	7,787.0	8,066.7

TABLE IX.

POWER ORDINARILY IN USE AND NOT IN USE IN 1924.

Trade group.	Prime movers.		Electric generators..		Electric motors.	
	(a) Ordinarily in use; (b) not in use.	Per- centage not in use.	(a) Ordinarily in use; (b) not in use.	Per- centage not in use.	(a) Ordinarily in use; (b) not in use.	Per- centage not in use.
	Th. H.P.		Th. Kw.		Th. H.P.	
Textiles	(a) 2,110.6	10.1	239.0	16.3	625.9	9.0
	(b) 236.1		46.4		62.2	
Food, Drink and Tobacco	(a) 307.9	16.6	53.1	32.6	371.4	9.1
	(b) 61.2		25.7		37.4	
Clothing	(a) 82.1	14.2	11.8	25.6	94.0	8.8
	(b) 13.6		4.1		9.0	
Iron and steel	(a) 1,573.6	21.1	205.3	31.9	1,161.0	15.4
	(b) 419.7		96.0		211.4	
Engineering	(a) 364.5	27.1	153.5	34.7	1,334.7	18.5
	(b) 135.2		81.6		302.8	
Non-ferrous Metals	(a) 110.7	10.2	47.1	12.5	162.4	12.4
	(b) 12.5		6.7		23.1	
Chemicals	(a) 285.1	31.9	85.9	47.3	271.8	21.0
	(b) 133.4		77.2		72.3	
Leather, Rubber, etc.	(a) 79.1	15.9	27.4	16.8	138.8	9.4
	(b) 15.0		5.4		14.4	
Paper, Printing, etc.	(a) 254.3	17.3	69.4	40.4	270.5	12.8
	(b) 44.0		28.0		34.5	
Mines and Quarries	(a) 2,896.7	13.2	481.0	29.0	1,398.8	13.3
	(b) 439.4		196.4		215.4	
Timber	(a) 144.6	7.1	12.6	16.5	137.5	7.8
	(b) 11.0		2.5		11.6	
Manufactures of Clay etc.	(a) 362.3	12.6	58.6	26.0	282.9	10.8
	(b) 52.2		20.6		34.4	
Miscellaneous	(a) 46.2	19.6	14.5	24.9	59.0	9.4
	(b) 11.3		4.8		6.1	
Public Utility Services' etc. (other than Electricity Undertakings)*	(a) 785.5	16.5	173.7	19.5	387.7	11.9
	(b) 154.9		42.2		52.3	
TOTAL — (Excluding Electricity Undertakings)*	(a) 9,403.2	15.6	1,632.9	28.1	6,696.4	14.0
	(b) 1,739.6		637.6		1,086.9	
Electricity Undertakings*	(a) 4,450.3	21.5	3,210.4	21.3	242.0	14.6
	(b) 1,215.6		869.9		41.4	
Total	(a) 13,853.5	17.6	4,843.3	23.7	6,938.4	14.0
	(b) 2,955.2		1,507.5		1,128.3	

* i.e. Electricity Undertakings operating for public supply and central generating stations maintained by certain Government Departments.

TABLE X.

MECHANICAL AND ELECTRICAL POWER AVAILABLE IN 1924*.

Trade group.	Power for mechanical application.	Power for electrical application.	Total power available.	Per head of average number of operatives employed.
	Th. H.P.	Th. H.P.	Th. H.P.	Th. H.P.
Textiles	1,935.3	688.1	2,623.4	2.3
Food, Drink and Tobacco	253.6	408.8	662.4	1.6
Clothing	72.4	103.0	175.4	0.3
Iron and steel	1,571.2	1,372.4	2,943.6	5.9
Engineering	164.2	1,637.5	1,801.7	2.1
Non-ferrous Metals	43.6	185.5	229.1	2.2
Chemicals	185.9	344.1	530.0	3.1
Leather, Rubber, etc.	47.5	153.2	200.7	2.0
Paper, Printing, etc.	159.4	305.0	464.4	1.5
Mines and Quarries	2,133.5	1,614.2	3,747.7	2.3
Timber	133.4	149.1	282.5	1.6
Manufactures of Clay, etc.	303.0	317.3	620.3	1.0
Miscellaneous	29.9	65.1	95.0	1.1
Public Utility Services, etc.†	597.4	440.0	1,037.4	1.7
Total	7,630.3	7,783.3	15,413.6	2.2

* In this table *Power for mechanical application* is the estimated capacity of prime movers available for direct use (i.e., excluding those required to actuate electric generators); and *Power for electrical application* is the sum of the capacity of the electric motors driven by purchased electricity and that of the electric motors driven by electricity generated in the works. For a more detailed explanation, reference should be made to the general reports on the various groups of trades (e.g., page 12).

† Excluding Electricity Undertakings operating for public supply and central generating stations maintained by certain Government departments.

TABLE XI.

CONSUMPTION OF FUEL IN 1924 (SO FAR AS REPORTED).

NOTES.—1. The figures in italics below the name of the trade group represent respectively (1) the percentage of the total net output of the group represented by the firms that gave information, and (2) the percentage of the total capacity of prime movers (not hydraulic) in use in the group represented by the firms that gave information.

2. The fuel consumed is, in each case, classified according to the purpose for which it was used, as follows:—(a) for power (driving engines); (b) for heating and lighting premises and for manufacturing processes, etc.; (c) for purposes not separately distinguished.

Trade group.	Coal and slack.	Coke and breeze.	Heavy oils.	Light oils.	Gas* purchased.
	Th. tons	Th. tons	Th. galls.	Th. galls.	Th. therms.
Textiles	(a) 2,800.4	13.8	1,147.1	73.9	1,230.5
(1) <i>66.3</i> ; (2) <i>69.2</i>	(b) 1,444.9	33.0	630.1	1,737.9	6,222.4
	(c) 2,260.1	5.1	111.9	173.1	795.8
Food, Drink and Tobacco.	(a) 651.8	22.6	2,135.2	279.7	1,370.4
(1) <i>58.8</i> ; (2) <i>63.2</i>	(b) 666.0	353.5	8,116.9	7,630.0	7,919.4
	(c) 867.2	31.3	1,399.7	177.5	1,681.0
Clothing	(a) 56.0	2.8	117.1	34.7	1,545.1
(1) <i>51.7</i> ; (2) <i>66.2</i>	(b) 234.6	98.3	546.4	1,496.2	6,282.3
	(c) 259.1	54.6	704.0	27.2	770.0
Iron and Steel	(a) 2,701.2	42.5	297.4	79.0	6,472.7
(1) <i>67.5</i> ; (2) <i>82.7</i>	(b) 6,834.3	7,683.6	6,083.5	2,086.6	12,466.6
	(c) 869.3	432.3	48.2	44.6	1,765.7
Engineering	(a) 449.4	11.5	1,344.2	292.6	3,653.4
(1) <i>62.4</i> ; (2) <i>65.8</i>	(b) 870.7	574.6	5,765.2	2,619.7	15,440.7
	(c) 414.5	55.4	585.4	1,267.8	4,642.0
Non-ferrous metals	(a) 128.5	0.3	29.6	0.6	1,380.9
(1) <i>61.0</i> ; (2) <i>67.9</i>	(b) 450.4	140.8	1,520.8	4,009.6	4,783.3
	(c) 86.0	8.9	16.8	3.6	683.7
Chemicals	(a) 992.4	58.8	2,710.4	58.4	596.2
(1) <i>70.5</i> ; (2) <i>69.5</i>	(b) 17,609.7	228.3	4,909.8	1,453.2	2,132.1
	(c) 1,046.4	42.5	4,477.2	60.6	708.6
Leather, Rubber, etc.	(a) 226.2	6.8	53.2	10.8	449.8
(1) <i>71.1</i> ; (2) <i>75.1</i>	(b) 210.9	18.2	164.3	665.0	1,012.6
	(c) 108.2	7.9	224.0	3.1	126.2
Paper, Printing, etc.	(a) 212.0	1.2	418.8	39.4	1,472.8
(1) <i>67.5</i> ; (2) <i>64.9</i>	(b) 152.1	40.6	144.5	754.1	5,641.1
	(c) 1,015.4	1.4	2,012.6	9.8	466.1
Mines and Quarries	(a) 14,458.4	89.2	424.9	1,068.3	1,426.5
(1) <i>72.0</i> ; (2) <i>78.9</i>	(b) 768.3	34.0	21.8	519.8	3,342.6
	(c) 804.3	10.9	6.4	58.5	25.8
Timber	(a) 103.5	6.6	91.0	122.5	1,212.7
(1) <i>61.7</i> ; (2) <i>59.9</i>	(b) 22.9	13.5	20.1	868.0	2,063.3
	(c) 71.8	1.0	3.5	62.0	543.0
Manufactures of Clay, etc.	(a) 1,202.3	29.9	2,322.8	708.8	2,643.4
(1) <i>47.7</i> ; (2) <i>63.9</i>	(b) 3,481.8	334.9	6,544.4	3,004.9	16,219.7
	(c) 469.5	19.8	710.1	165.8	478.2
Miscellaneous	(a) 28.3	0.3	96.8	5.4	280.0
(1) <i>62.3</i> ; (2) <i>49.0</i>	(b) 56.4	11.1	161.7	124.4	1,418.9
	(c) 113.9	0.6	13.3	14.0	126.3
Public Utility Services, etc.	(a) 7,859.3	1,455.4	6,810.4	725.8	10,240.6
(1) <i>86.1</i> ; (2) <i>92.0</i>	(b) 18,058.4	3,335.8	49,901.1	1,808.3	7,237.4
	(c) 911.6	31.1	203.9	759.5	2,557.9
All groups	(a) 31,869.7	1,741.7	17,798.9	3,499.9	33,975.0
	(b) 50,961.4	12,900.2	84,530.6	28,777.7	92,182.4
	(c) 9,297.3	702.8	10,517.0	2,827.1	15,370.3
Total	92,128.4	15,344.7	112,846.5	35,104.7	141,527.7

* The amount of gas purchased was, in some cases, returned in terms of cubic feet; in such cases 200 cubic feet have been taken as equivalent to 1 therm.

TABLE XII.

ELECTRICITY CONSUMED IN PRODUCTION IN 1924 (SO FAR AS REPORTED).

NOTES.—1. The figures in italics below the name of the trade group represent respectively (1) the percentage of the total capacity of electric generators in use in the group represented by the firms that stated the quantity of electricity generated in their works; and (2) the percentage of the total capacity of electric motors, driven by purchased electricity, in use in the group represented by the firms that stated the quantity of electricity purchased by them.

2. The electricity generated and the electricity purchased are, in each case, classified according to the purpose for which they were used, as follows:—(a) for power (driving engines); (b) for heating and lighting premises and for manufacturing processes, etc.; (c) for purposes not separately distinguished.

Trade group.	Electricity generated in works of firms giving information.			Electricity purchased by firms giving information.		
	Capacity of electric generators (in use).	Quantity of electricity generated.	Average per kilowatt capacity of generators	Capacity of electric motors (in use) driven thereby.	Quantity of electricity purchased.	Capacity of electric motors (in use) driven thereby.
	Th. Kw.	Million B.T. units.	B.T. units.	Th. H.P.	Million B.T. units.	Th. H.P.
Textiles	109.5	(a) 134.1	1,619	134.1	(a) 162.6	235.7
(1) <i>45.8</i> ; (2) <i>65.4</i>		(b) 12.2			(b) 12.4	
		(c) 31.1			(c) 77.2	
Food, Drink and Tobacco.	32.9	(a) 48.4	2,760	61.0	(a) 107.9	173.7
(1) <i>61.9</i> ; (2) <i>61.0</i>		(b) 5.9			(b) 16.2	
		(c) 36.5			(c) 67.1	
Clothing	5.1	(a) 1.8	1,326	6.6	(a) 33.8	48.3
(1) <i>43.5</i> ; (2) <i>57.2</i>		(b) 0.5			(b) 7.0	
		(c) 4.5			(c) 9.4	
Iron and Steel	144.5	(a) 162.5	2,420	431.7	(a) 214.7	489.0
(1) <i>70.4</i> ; (2) <i>74.1</i>		(b) 48.4			(b) 47.3	
		(c) 138.7			(c) 91.4	
Engineering	87.1	(a) 75.5	1,781	196.8	(a) 325.3	695.5
(1) <i>56.7</i> ; (2) <i>66.7</i>		(b) 13.2			(b) 48.9	
		(c) 66.3			(c) 115.4	
Non-ferrous metals	30.7	(a) 23.5	5,669	26.6	(a) 48.8	82.7
(1) <i>65.1</i> ; (2) <i>65.6</i>		(b) 148.2			(b) 4.9	
		(c) 2.0			(c) 14.1	
Chemicals	56.4	(a) 74.0	3,140	79.8	(a) 118.4	146.2
(1) <i>65.8</i> ; (2) <i>75.8</i>		(b) 6.5			(b) 44.8	
		(c) 96.7			(c) 59.4	
Leather, Rubber, etc.	19.7	(a) 49.1	2,653	38.6	(a) 30.6	67.5
(1) <i>72.3</i> ; (2) <i>72.4</i>		(b) 2.6			(b) 2.8	
		(c) 0.7			(c) 7.6	
Paper, Printing, etc.	34.3	(a) 33.1	3,269	72.4	(a) 57.2	108.7
(1) <i>49.4</i> ; (2) <i>64.6</i>		(b) 5.5			(b) 11.5	
		(c) 73.4			(c) 23.1	
Mines and Quarries	344.4	(a) 833.8	2,985	794.2	(a) 408.2	372.2
(1) <i>71.6</i> ; (2) <i>79.8</i>		(b) 18.5			(b) 3.8	
		(c) 175.7			(c) 56.4	
Timber	6.6	(a) 4.8	1,052	13.3	(a) 18.9	61.1
(1) <i>53.5</i> ; (2) <i>50.6</i>		(b) 0.5			(b) 2.0	
		(c) 1.7			(c) 4.5	
Manufactures of Clay, etc.	31.8	(a) 56.5	4,227	54.5	(a) 71.2	106.5
(1) <i>49.7</i> ; (2) <i>55.1</i>		(b) 14.8			(b) 4.7	
		(c) 63.0			(c) 28.1	
Miscellaneous	6.6	(a) 6.5	2,043	13.5	(a) 13.0	22.7
(1) <i>45.4</i> ; (2) <i>65.8</i>		(b) 0.1			(b) 2.1	
		(c) 6.8			(c) 4.4	
Public Utility Services, etc.	27.8	(a) 17.0	1,676	79.5	(a) 45.7	148.9
(1) <i>77.5</i> ; (2) <i>85.5</i>		(b) 2.4			(b) 16.4	
		(c) 27.2			(c) 10.7	
Total	937.4	(a) 1,520.6	2,694	2,002.6	(a) 1,656.3	2,758.7
		(b) 279.3			(b) 224.8	
		(c) 724.3			(c) 568.8	
		2,524.2		2,449.9		

* Exclusive of Electricity Undertakings and Railway Companies.

46.6
72.8
119.4

DISTRIBUTION OF

NOTE.—Tables XIII, XIV and XV summarise returns made at the 1924 total number of persons employed in 1924, these returns covered 92.6 per

TABLE XIII.—DISTRIBUTION OF INDUSTRY

Trade group.	Approximate no. of returns.*	Value of	
		gross output.	net output.
		Mill. £	Mill. £
Textiles	7,500	748	217
Food, Drink and Tobacco	6,000	667	263
Clothing	9,800	204	92
Iron and Steel (including Engineering)	9,900	702	299
Non-ferrous Metals	1,700	91	25
Chemicals	1,900	220	76
Leather, Rubber, etc.	1,300	74	25
Paper, Printing, etc.	4,400	159	92
Mines and Quarries	2,400	275	227
Timber	3,800	66	31
Manufactures of Clay, etc.	12,100	235	126
Miscellaneous	1,200	41	21
Public Utility Services, etc. ‡	3,400	254	145
Total	65,400	3,736	1,639

* See paragraph (2) of the Introductory Notes to this volume (page vii).

‡ Including Electricity Undertakings.

INDUSTRY IN 1924.

Census covering more than ten persons on the average. On the basis of the cent. of all industry.

IN THE VARIOUS GROUPS OF TRADES.

Number of persons employed.					Net output per head.	Horse-power of engines ordinarily in use. †
Operatives.			Administra- tive, etc., staff.	Total.		
Males.	Females.	Total.				
Thousand	Thousand	Thousand	Thousand	Thousand	£	Th. H.P.
453	726	1,179	61	1,240	175	2,471
209	157	366	69	435	605	512
151	385	536	53	589	156	154
1,171	137	1,308	175	1,483	201	3,814
72	26	98	14	112	224	230
127	36	163	37	200	381	610
56	36	92	14	106	240	169
174	111	285	52	337	275	429
1,253	5	1,258	26	1,284	177	3,522
114	26	140	17	157	197	198
535	47	582	48	630	200	513
51	28	79	10	89	238	77
586	5	591	53	644	224	5,158
4,952	1,725	6,677	629	7,306	224	17,857

† i.e. the aggregate horse-power of the prime movers and of the electric motors, driven by purchased electricity that were ordinarily in use in that year.

TABLE XIV.—DISTRIBUTION OF INDUSTRY

Area.	Approximate no. of returns.†	Value of gross output.	Value of net output.
		Mill. £	Mill. £
Greater London ..	13,400	654	305
Lancashire, with North Cheshire and the Glossop and New Mills district of Derbyshire	10,700	853	311
The West Riding of Yorkshire with the City of York..	7,100	442	182
Northumberland, Durham and the Cleveland district of Yorkshire ..	2,300	169	85
Warwickshire, Worcestershire and Staffordshire ..	6,500	346	176
The rest of England (except Monmouthshire) ..	15,100	653	294
Glamorganshire, Monmouthshire and Carmarthenshire ..	1,600	160	78
The rest of Wales ..	600	26	15
Lanarkshire, Renfrewshire and Dumbartonshire ..	2,900	187	83
The rest of Scotland ..	4,000	181	87
Northern Ireland ..	1,200	65	23
Total ..	65,400	3,736	1,639

* The Board of Trade did not regard themselves as possessing compulsory powers requested to furnish separate particulars in this detail, a substantial number were covering the business as a whole was accepted. It is not possible to estimate the probably small.

TABLE XV.—DISTRIBUTION OF INDUSTRY

Size of firms* (average number employed).	Approximate no. of returns.†	Value of gross output.	Value of net output.
		Mill. £	Mill. £
11-24 ..	26,300	207	90
25-49 ..	15,500	273	119
50-99 ..	10,200	390	164
100-199 ..	6,500	543	213
200-299 ..	2,600	376	138
300-399 ..	1,200	246	94
400-499 ..	800	197	70
500-749 ..	900	281	121
750-999 ..	400	186	81
1,000-1,499 ..	400	243	111
1,500 and above ..	600	794	438
Total ..	65,400	3,736	1,639

* The size groupings in this table are based on the average numbers employed as Census trade, separate returns were generally required for each trade, and the number of firms of the sizes indicated.

† See also paragraph (2) of the Introductory

IN THE VARIOUS GEOGRAPHICAL AREAS.*

Number of persons employed.					Net output per head.	Horse-power of engines ordinarily in use.‡
Operatives.			Administra- tive, &c., staff.	Total.		
Males.	Females.	Total.				
Thousand.	Thousand.	Thousand.	Thousand.	Thousand.	£	Th. H.P.
636	305	941	143	1,084	281	2,039
864	470	1,334	108	1,442	216	4,097
585	218	803	62	865	210	2,634
409	18	427	26	453	189	1,386
507	183	690	76	766	230	1,432
918	269	1,187	117	1,304	225	2,213
356	11	367	16	383	203	1,484
64	4	68	4	72	203	197
274	75	349	37	386	214	1,298
269	100	369	30	399	217	882
70	72	142	10	152	152	199
4,952	1,725	6,677	629	7,306	224	17,857

to collect separate data for each of the specified areas. Although all firms were not in a position to do so without difficulty and in these and other cases a return extent of the overlap between areas thus caused, but in the factory trades it is

† See footnote (*) to Table XIII.

‡ See footnote (†) to Table XIII.

ACCORDING TO THE SIZE OF FIRMS.*

Number of persons employed.					Net output per head.	Horse-power of engines ordinarily in use.‡
Operatives.			Administra- tive, &c., staff.	Total.		
Males.	Females.	Total.				
Thousand.	Thousand.	Thousand.	Thousand.	Thousand.	£	Th. H.P.
272	90	362	60	422	213	431
336	140	476	65	541	221	677
429	210	639	74	713	230	1,223
531	297	828	82	910	234	2,024
357	214	571	49	620	223	1,807
241	138	379	33	412	227	1,153
204	113	317	25	342	203	985
324	159	483	41	524	230	1,254
240	86	326	28	354	230	1,334
338	108	446	38	484	230	1,281
1,680	170	1,850	134	1,984	221	5,688
4,952	1,725	6,677	629	7,306	224	17,857

shown on the individual returns. Where a firm was engaged in more than one of returns in each category does not, therefore, necessarily express the number of Notes (page vii).

‡ See footnote (†) to Table XIII.